

Product data sheet

Specifications



Galaxy VS UPS 50kW 480V with N+1 power module, for 5 smart modular 9Ah battery strings, Start-up 5x8

GVSUPS50KR0B5GS

Overview

Presentation Highly efficient, easy-to-deploy 50kW, 480V 3-phase UPS that brings best-in-class power protection and low total cost of ownership to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. This UPS is for up to 5 smart modular high capacity battery strings, but is supplied without batteries, so you can easily customize the battery runtime. Includes 5x8 start-up service and one additional power module for N+1 redundancy.

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage 480 V 3 phase

Main Output Voltage 480 V 3 phase

Kw Rating 50 kW

Rated power in VA 50 kVA

Battery type Internal modular battery
VRLA

Provided equipment Dust filter
Installation manual
Integrated network management
Start-Up Service
EcoStruxure Ready

Batteries & Runtime

Battery voltage 480V

End of Discharge Battery Voltage 384 V DC

End of Discharge Maximum Battery Current 136 A

Battery power in VAH 0 VAh runtime

Extendable Run Time 0

General

Redundant No

Physical

Color White

Height 77.56 in (197 cm)

Width 21.65 in (55 cm)

Depth	33.35 in (84.7 cm)
Net Weight	652.57 lb(US) (296 kg)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	74 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 6 % for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating
Input Power Factor at Full Load	0.99

Output

Max Configurable Power (Watts)	50 kW
Harmonic distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	50 kVA

Conformance

Product Certifications	ENERGY STAR V2.0 (USA)
Standards	CSA C22.2 No 107.3 FCC Part 15 class A IEC 62040-1-1 IEC 62040-2 IEC 62040-3 UL 1778 5th edition OSHDP

Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3300 ft
Ambient Air Temperature for Storage	5...104 °F (-15...40 °C)
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0...10000 ft (0.00...3048.00 m)
Acoustic level	54 dBA
Heat dissipation	5586 Btu/h

IP degree of protection	IP20
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Communications & Management

Control panel	Touch Screen LCD User Interface
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Ordering and shipping details

GTIN	731304410003
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	81.97 in (208.2 cm)
Package 1 Width	39.76 in (101 cm)
Package 1 Length	29.72 in (75.5 cm)
Package 1 Weight	551.16 lb(US) (250 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
ENERGY STAR®	ENERGY STAR UPS V2.0 (USA) 
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Recommended replacement(s)